

ALKALINE CELL SEPARATOR SUBSTRATE AND ALKALINE CELL SEPARATOR USING THE SAME

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Abstract of JP2001143682

PROBLEM TO BE SOLVED: To provide a high strength alkali cell separator substrate which has a low weight and is a thin fiber, and the cell separator. **SOLUTION:** The alkaline cell separator substrate is formed from a laminate formed by laminating a spun-bond method polyolefin unwoven fabric having a fiber diameter of 8-30 μ m, an apparent weight of 5-30 g/m² and a tensile strength of 2-20 kg/5 cm and a melt-blow polypropylene unwoven fabric having a fiber diameter of 6-20 μ m, an apparent weight of 5-30 g/m² and a tensile strength of 0.1-2 kg/5 cm, a ratio D_s/D_m of a fiber diameter D_s of the spun-bond unwoven fabric and a fiber diameter D_m of the melt-blow unwoven fabric being $1.5 < D_s/D_m < 3$.

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